

### **ABSTRACT OF THE DISCLOSURE**

The present invention provides fusion proteins for the  
5 detection and treatment of neuroectodermal tumors. Previous work  
demonstrated that chlorotoxin is specific for glial-derived or  
meningioma-derived tumor cells. The current invention has  
extended the use of chlorotoxin-cytotoxin fusion proteins to treat the  
whole class neuroectodermal tumors such as gliomas, meningiomas,  
10 ependymomas, medulloblastomas, neuroblastomas, gangliomas,  
pheochromocytomas, melanomas, PPNET's, small cell carcinoma of the  
lung, Ewing's sarcoma, and metastatic tumors in the brain. Also,  
diagnostic methods are provided for screening neoplastic  
neuroectodermal tumors.

15